

**Before the
Federal Communications Commission
Washington, D.C. 20554**

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

In the Matter of)	
)	
Amendment of Section 73.622(b)	)	MM Docket No.
Table of Allotments	)	RM-
Digital Television Broadcast Stations)	
(Arcade, New York))	

To: Chief, Mass Media Bureau

PETITION FOR RULEMAKING

KM Communications, Inc. ("KM"), KT Broadcasting, Inc. ("KT"), Kaleidoscope Affiliates, LLC ("Kaleidoscope"), Venture Technologies Group, Inc. ("Venture"), Winstar Broadcasting Corp. ("Winstar") collectively referred to as "Petitioners" petitions the Commission, pursuant to 47 CFR Sec. 1.401 and 73.623 to amend the TV Table of Allotments (47 CFR Sec. 73.622(b)) to add DTV channel 24. In support thereof, the following is shown.

A. BACKGROUND

1. There are nine pending (9) mutually exclusive applicants for NTSC Channel 62, at Arcade, NY this facility: Arcade Buffalo Corp, Rose M.V. Smith, David & Molly Grant, KT, Winstar, Kaleidoscope, Venture Tech, Kevin O'Kane, and KM..
2. The Petitioners are five (5) of the nine applicants who have mutually exclusive pending application for NTSC Channel 62 at Arcade, NY: KM (BPCT-960405XF),

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Kaleidoscope (BPCT-960405L4); Venture Technologies (BPCT-960405LY); KT Broadcasting, Inc. (BPCT-960404LH); Winstar Broadcasting, Inc. (BPCT-960404LB).

3. On November 22, 1999 the Commission announced in a *Public Notice* (DA99-2605) that it would provide an opportunity for mutually exclusive NTSC applicants on Channel 60-69 to petition for an amendment to the table of allotments to relocate below NTSC channel 60. The Commission also allows such applicants to relocate directly to a DTV channel. By *Public Notice*, (DA00-536, released March 9, 2000) the Commission opened a window for applicants with mutually exclusive NTSC applications on Channels 60-69 to file Petitions for Rulemaking to the Table of Allotments as a first step in vacating that frequency band. This Petition is filed pursuant to that directive.

B. ALLOCATION STUDY

4. Several petitioners undertook independent allocation studies to identify available NTSC channels (below 60) or available DTV channels.

5. There are no available NTSC channels below channel 60 which can be used at Arcade which meet the minimum mileage separation standards, so the use of DTV channel 24 is being proposed herein.

6. There is attached an engineering statement which demonstrates that the proposed allocation can be assigned to Arcade, NY while providing the necessary interference protection to other DTV allocations, with the specification of DTV power of 200 kw utilizing an Antenna Height Above Average Terrain of 551 meters. See Exhibit 1.

C. CONSENT TO AMEND APPLICATIONS

7. Pursuant to the foregoing *Public Notice*, the undersigned petitioners agree to amend their applications to specify operation on this new DTV Channel. Several attempts have been made to solicit the cooperation of the other applicants in order to file a consolidated, single petition, but only these petitioners have agreed to file such a joint petition.

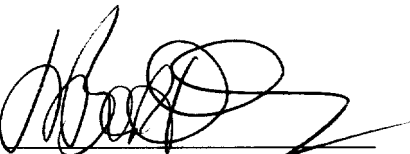
8. The intentions of the other applicants is unknown. While no settlement of this case has been achieved, no opposition to this petition has been received by any applicant.

D. CONCLUSION

In view of the foregoing, it is requested that the DTV Table of Allotments be amended at Arcade, NY, and that the Petitioners be permitted to amend their applications to specify operation on DTV Channel 24, in lieu of NTSC channel 62.

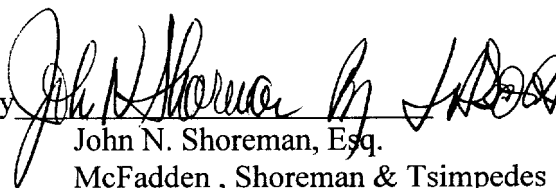
<u>City</u>	<u>Channel Number</u>	
	<u>Present</u>	<u>Proposed</u>
Arcade, New York	-----	24

Respectfully submitted,
KM COMMUNICATIONS, INC.

By 
John A. Borsari, Esq.
Borsari & Assoc., PLC
P.O.Box 29
Arlington, VA 22210
(703) 524-5800

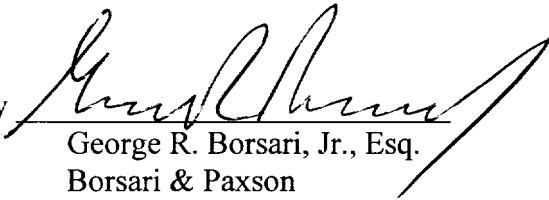
Its Attorney

WINSTAR BROADCASTING CORP

By 
John N. Shoreman, Esq.
McFadden, Shoreman & Tsimpedes
1314 19th Street, NW
Washington, DC 20036
(202) 638-2100

Its Attorney

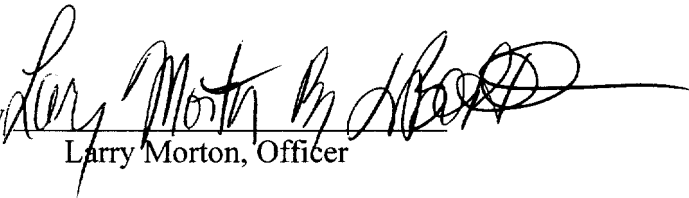
KT BROADCASTING, INC.

By 

George R. Borsari, Jr., Esq.
Borsari & Paxson
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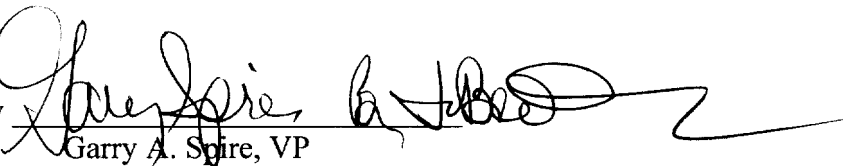
Its Attorney

KALEIDOSCOPE AFFILIATES, LLC

By 

Larry Morton, Officer

VENTURE TECHNOLOGIES GROUP, INC.

By 

Garry A. Spire, VP
5670 Wilshire Blvd., #1300
Los Angeles, CA 90036
(323) 904-4192

**PETITION FOR RULEMAKING TO
MODIFY THE DIGITAL
TELEVISION TABLE OF
ALLOTMENTS**

KT BROADCASTING, INC.

JULY, 2000

©2000
D.L. Markley &
Associates, Inc.

State of Illinois)

)ss

County of Peoria)

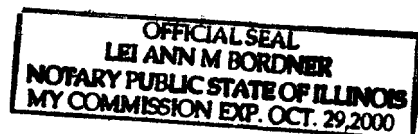
Donald L. Markley, being first duly sworn, deposes and says that he is a Consulting Engineer and that he has been retained by KT Broadcasting, Inc, to prepare the following engineering exhibits, that he is a Registered Professional Engineer in Illinois by examination, that he holds a Bachelor of Science Degree in Electrical Engineering and Master of Science in Electrical Engineering, that his qualifications have been accepted by the Federal Communications Commission, and the following exhibits have been prepared by him and that they are true and correct to the best of his knowledge and belief.


Donald L. Markley, P.E. Affiant

Subscribed and sworn to before me this 11th Day of July, 2000


Notary Public

My Commission Expires:



PETITION FOR RULEMAKING

The following engineering statement and attached exhibits have been prepared for KT Broadcasting, Inc., and are in support of their Petition for Rulemaking to modify Section 73.622 (b), DTV Table of Allotments, of the Commission's Rules and Regulations.

KT Broadcasting, Inc. is an applicant for a Channel 64 television station at Arcade, New York (File Number BPCT-19960404-LH). As part of the Commission's actions regarding channels available for television service, it has been necessary for that application to be modified to seek a Channel which would be within the core group. A search was performed of the television band, which determined that no NTSC Channels were available for use. Therefore, a study was performed seeking a Digital Television Channel which could be allocated to Arcade.

It was determined that Channel 24 could be allocated to Arcade with an effective rated power of 200kW with the center of radiation at 551 meters above average terrain. That study utilized the attached antenna pattern. It is respectfully requested that the Digital Television Table of Allotments, Section 73.622 (b) of the Commission's Rules and Regulations, be modified as follows.

<u>City</u>	<u>Existing</u>	<u>Proposed</u>
Arcade, NY	-----	24

The interference study determined that Channel 24 could be allocated to Arcade without causing prohibited interference to any existing or proposed

television facility. The attached interference study was performed using a program identified as "Probe II" from V-Soft Engineering. That program has been used to prepare numerous interference studies that have been filed with the Commission and utilizes the methods described in OET Bulletin 69.

The study determined that the proposed Channel 24 DTV allocation at Arcade, with the power and antenna parameters described above, would not cause any interference to any other stations in excess of those values determined to be *de minimus* if the allocation uses reference coordinates of 42° 11' 46" N and 78° 03' 59" W.

The proposed facility would not cause any existing or proposed facility to receive an increase in its interference of 2% or more, nor would it cause the total interference received by any station to exceed 10% of the noise limited population. Therefore, it complies with the Commission's criteria for *de minimus* interference.

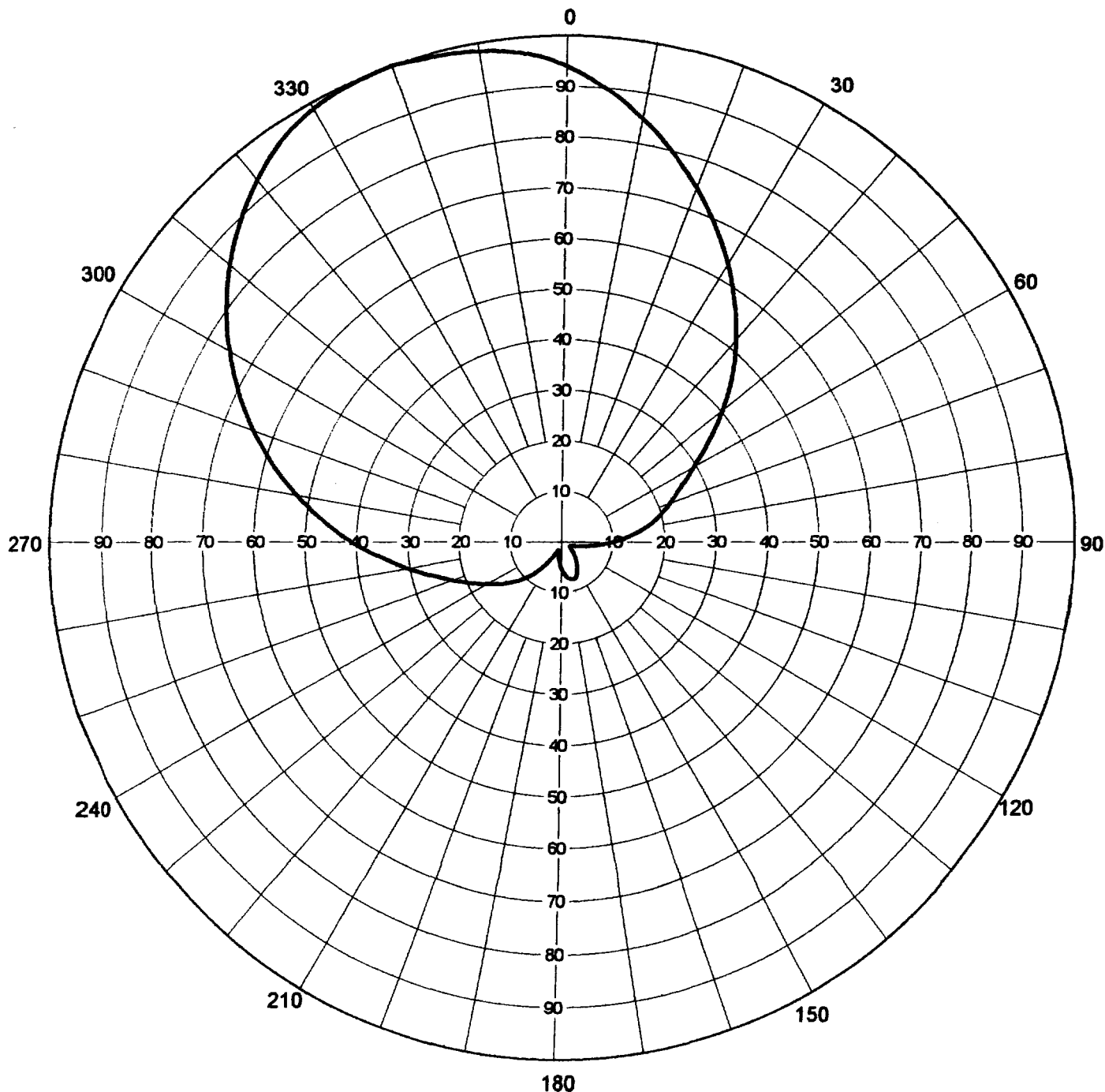
AZIMUTH PATTERN

RMS Gain at Main Lobe
Calculated / Measured

3.60 (5.56 dB)
Calculated

Frequency
Drawing #

533 MHz
TLP-F



TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # TLP-F

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.939	45	0.463	90	0.101	135	0.036	180	0.051	225	0.104	270	0.409	315	0.893
1	0.932	46	0.452	91	0.095	136	0.038	181	0.048	226	0.108	271	0.420	316	0.901
2	0.924	47	0.440	92	0.089	137	0.039	182	0.046	227	0.112	272	0.432	317	0.909
3	0.916	48	0.428	93	0.084	138	0.041	183	0.043	228	0.117	273	0.443	318	0.917
4	0.907	49	0.417	94	0.078	139	0.043	184	0.041	229	0.121	274	0.455	319	0.925
5	0.899	50	0.405	95	0.072	140	0.045	185	0.039	230	0.125	275	0.466	320	0.932
6	0.889	51	0.393	96	0.067	141	0.047	186	0.036	231	0.129	276	0.478	321	0.940
7	0.880	52	0.382	97	0.062	142	0.048	187	0.034	232	0.134	277	0.489	322	0.947
8	0.870	53	0.370	98	0.057	143	0.050	188	0.032	233	0.138	278	0.501	323	0.953
9	0.860	54	0.359	99	0.053	144	0.052	189	0.030	234	0.142	279	0.513	324	0.959
10	0.850	55	0.348	100	0.049	145	0.054	190	0.028	235	0.146	280	0.525	325	0.965
11	0.840	56	0.337	101	0.045	146	0.056	191	0.026	236	0.151	281	0.536	326	0.971
12	0.830	57	0.326	102	0.041	147	0.058	192	0.024	237	0.155	282	0.548	327	0.976
13	0.819	58	0.316	103	0.038	148	0.060	193	0.023	238	0.159	283	0.559	328	0.980
14	0.809	59	0.306	104	0.035	149	0.062	194	0.021	239	0.164	284	0.571	329	0.984
15	0.798	60	0.296	105	0.033	150	0.064	195	0.020	240	0.168	285	0.583	330	0.987
16	0.788	61	0.287	106	0.030	151	0.066	196	0.019	241	0.173	286	0.594	331	0.990
17	0.777	62	0.278	107	0.028	152	0.068	197	0.018	242	0.178	287	0.606	332	0.992
18	0.766	63	0.270	108	0.026	153	0.069	198	0.018	243	0.183	288	0.617	333	0.993
19	0.755	64	0.262	109	0.025	154	0.071	199	0.017	244	0.188	289	0.629	334	0.995
20	0.745	65	0.255	110	0.023	155	0.073	200	0.017	245	0.194	290	0.640	335	0.996
21	0.734	66	0.248	111	0.022	156	0.074	201	0.017	246	0.199	291	0.651	336	0.997
22	0.723	67	0.241	112	0.021	157	0.075	202	0.018	247	0.205	292	0.663	337	0.997
23	0.712	68	0.235	113	0.020	158	0.076	203	0.019	248	0.211	293	0.674	338	0.998
24	0.701	69	0.228	114	0.020	159	0.077	204	0.020	249	0.217	294	0.685	339	0.998
25	0.690	70	0.223	115	0.019	160	0.077	205	0.021	250	0.224	295	0.696	340	1.000
26	0.678	71	0.217	116	0.019	161	0.078	206	0.023	251	0.230	296	0.707	341	0.998
27	0.667	72	0.211	117	0.019	162	0.078	207	0.026	252	0.237	297	0.718	342	0.996
28	0.656	73	0.206	118	0.019	163	0.078	208	0.028	253	0.245	298	0.729	343	0.994
29	0.645	74	0.200	119	0.019	164	0.077	209	0.031	254	0.252	299	0.739	344	0.993
30	0.634	75	0.195	120	0.019	165	0.077	210	0.035	255	0.260	300	0.750	345	0.991
31	0.623	76	0.189	121	0.020	166	0.076	211	0.038	256	0.268	301	0.760	346	0.990
32	0.611	77	0.184	122	0.020	167	0.075	212	0.042	257	0.277	302	0.771	347	0.988
33	0.600	78	0.178	123	0.021	168	0.074	213	0.047	258	0.286	303	0.781	348	0.987
34	0.589	79	0.172	124	0.022	169	0.072	214	0.051	259	0.295	304	0.791	349	0.985
35	0.578	80	0.165	125	0.023	170	0.071	215	0.055	260	0.304	305	0.801	350	0.983
36	0.566	81	0.159	126	0.024	171	0.069	216	0.060	261	0.314	306	0.811	351	0.981
37	0.555	82	0.153	127	0.025	172	0.068	217	0.065	262	0.324	307	0.821	352	0.978
38	0.544	83	0.146	128	0.026	173	0.066	218	0.070	263	0.334	308	0.830	353	0.975
39	0.532	84	0.140	129	0.027	174	0.064	219	0.075	264	0.344	309	0.840	354	0.972
40	0.521	85	0.133	130	0.028	175	0.062	220	0.080	265	0.354	310	0.849	355	0.968
41	0.509	86	0.127	131	0.030	176	0.060	221	0.085	266	0.365	311	0.858	356	0.963
42	0.498	87	0.120	132	0.031	177	0.058	222	0.090	267	0.376	312	0.867	357	0.958
43	0.486	88	0.114	133	0.033	178	0.055	223	0.094	268	0.387	313	0.876	358	0.952
44	0.475	89	0.108	134	0.034	179	0.053	224	0.099	269	0.398	314	0.885	359	0.946

Interference From Proposed Ch. 24 To Other Stations And Allocations

AP085 (24) Arcade, NY
 TV Outgoing Interference Study
 Signal Resolution: 1.5 km
 Consider NTSC Taboo: Yes
 KWX error points are considered to
 be interference free coverage.
 Masked interference points are being counted
 as interference free.

Study Date: 7/10/00

Stations which receive interference:

Call Letters	H Units	Population	Area (sq. km)
WNEQTV	46	118	14.14
WCNYTV	941	2379	74.76
WNYB	52	36	2.03
WJETTV	1284	3115	98.04

Totals for AP085

Total population to which interference is caused: 5648

Total number of housing units to which interference is caused: 2323

	Housing Units	Population
Pennsylvania		
Warren County		
WJETTV	144	375

	Housing Units	Population
New York		
Allegany County		
WNYB	52	36
Cayuga County		
WCNYTV	684	1,689
Chautauqua County		
WJETTV	1,140	2,740
Cortland County		
WCNYTV	3	5
Seneca County		
WCNYTV	118	275
Tompkins County		
WCNYTV	27	82
Wayne County		
WCNYTV	109	328
Wyoming County		
WNEQTV	46	118

WJET-TV INCOMING INTERFERENCE WITHOUT PROPOSED ARCADE CH. 24 DTV

WJETTV.C (24Z) Erie, PA
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.757

Study Date: 7/12/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WNEQTV (23Z)	2415	6489	1.219	89.50
WNYB (26+)	1086	2663	0.500	38.66
WNWOTV (24-)	112	257	0.048	20.58
WNPBTv (24-)	1193	2000	0.376	117.39

Stations considered which do not cause interference:

WNEDTV (17Z)
WCNYTV (24+)
WDLI (17-)
WVPX (23+)
WVIZ (25+)
CITYTV (31Z)
WNYB-D (27)
WSFJTV-D (24)
WSEE-D (16)
WFXP-D (22)
WATMTV-D (24)

Stations which were not considered:

Arcade DTV (24)

Call Letters	City	State	Dist	Bear
WNEDTV (17Z)	Buffalo	NY	144.9	40.2
WNEQTV (23Z)	Buffalo	NY	144.9	40.2
WCNYTV (24+)	Syracuse	NY	347.3	71.8
WNYB (26+)	Jamestown	NY	79.7	60.2
WDLI (17-)	Canton	OH	166.2	217.8
WVPX (23+)	Akron	OH	166.4	229.9
WNWOTV (24-)	Toledo	OH	276.1	262.5
WVIZ (25+)	Cleveland	OH	159.3	241.4
CITYTV (31Z)	Woodstock	ON	125.7	333.0
WNPBTv (24-)	Morgantown	WV	261.6	174.2
WNYB-D (27)	JAMESTOWN	NY	79.7	60.2
WSFJTV-D (24)	NEWARK	OH	304.5	221.1
WSEE-D (16)	ERIE	PA	0.5	103.1
WFXP-D (22)	ERIE	PA	0.3	49.5
WATMTV-D (24)	ALTOONA	PA	212.7	139.7

Arcade DTV (24) Arcade NY 167.2 83.3

Totals for WJETTV.C (24Z)

Calculation Area Population:	563,435	(	16795.7 sq. km)
Not Affected by Terrain Loss:	532,247	(	16281.3 sq. km)
Total NTSC Interference:	9,123	(	221.2 sq. km)
DTV Only Interference:	0	(	-0.0 sq. km)
Total DTV Interference:	0	(	0.0 sq. km)
Interfered Population:	9,123	(	221.2 sq. km)
Interference Free:	523,124	(	16060.1 sq. km)

Percent Interference: 1.71

Terrain Blocked Population:	31,188	(	514.3 sq. km)
Contour Area Population:	563,471		

WJET-TV INCOMING INTERFERENCE WITH PROPOSED ARCADE CH. 24 DTV

WJETTV.C (24Z) Erie, PA
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.757

Study Date: 7/12/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WNEQTV (23Z)	2415	6489	1.219	89.50
WNYB (26+)	1086	2663	0.500	38.66
WNWOTV (24-)	112	257	0.048	20.58
WNPBTv (24-)	1193	2000	0.376	117.39
Arcade DTV (24)	4315	10293	1.934	110.35

Stations considered which do not cause interference:

WNEDTV (17Z)
WCNYTV (24+)
WDLI (17-)
WVPX (23+)
WVIZ (25+)
CITYTV (31Z)
WNYB-D (27)
WSFJTV-D (24)
WSEE-D (16)
WFXP-D (22)
WATMTV-D (24)

Call Letters	City	State	Dist	Bear
WNEDTV (17Z)	Buffalo	NY	144.9	40.2
WNEQTV (23Z)	Buffalo	NY	144.9	40.2
WCNYTV (24+)	Syracuse	NY	347.3	71.8
WNYB (26+)	Jamestown	NY	79.7	60.2
WDLI (17-)	Canton	OH	166.2	217.8
WVPX (23+)	Akron	OH	166.4	229.9
WNWOTV (24-)	Toledo	OH	276.1	262.5
WVIZ (25+)	Cleveland	OH	159.3	241.4
CITYTV (31Z)	Woodstock	ON	125.7	333.0
WNPBTv (24-)	Morgantown	WV	261.6	174.2
WNYB-D (27)	JAMESTOWN	NY	79.7	60.2
WSFJTV-D (24)	NEWARK	OH	304.5	221.1
WSEE-D (16)	ERIE	PA	0.5	103.1
WFXP-D (22)	ERIE	PA	0.3	49.5
WATMTV-D (24)	ALTOONA	PA	212.7	139.7
Arcade DTV (24)	Arcade	NY	167.2	83.3

Totals for WJETT.V.C (24Z)

Calculation Area Population:	563,435	(	16795.7 sq. km)
Not Affected by Terrain Loss:	532,247	(	16281.3 sq. km)
Total NTSC Interference:	9,123	(	221.2 sq. km)
DTV Only Interference:	10,006	(	98.1 sq. km)
Total DTV Interference:	10,293	(	110.3 sq. km)
Interfered Population:	19,129	(	319.3 sq. km)
Interference Free:	513,118	(	15962.0 sq. km)
Percent Interference:	3.59		
Terrain Blocked Population:	31,188	(	514.3 sq. km)
Contour Area Population:	563,471		

WCNY-TV INCOMING INTERFERENCE WITHOUT PROPOSED ARCADE CH. 24 DTV

WCNYTV (24+) Syracuse, NY
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.765

Study Date: 7/10/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WPBSTV (16Z)	1309	2780	0.220	216.71
WXXATV (23-)	25	74	0.006	4.02
CICOTV (24Z)	1669	3035	0.241	340.42
WFXV-D (27)	1284	3269	0.259	22.13

Stations considered which do not cause interference:

WEDH (24Z)
WMHT (17+)
WUHF (31+)
WJETTV (24Z)
WSWB (38+)
WIXT-D (17)
WWTI-D (21)
WNYETV-D (24)
WCNYTV-D (25)
WATMTV-D (24)
WVTA-D (24)

Stations which were not considered:

Arcade DTV (24)

Call Letters	City	State	Dist	Bear
WEDH (24Z)	Hartford	CT	295.3	115.0
WPBSTV (16Z)	Watertown	NY	104.7	13.2
WMHT (17+)	Schenectady	NY	169.0	101.0
WXXATV (23-)	Albany	NY	168.6	101.8
WUHF (31+)	Rochester	NY	128.8	280.0
CICOTV (24Z)	Ottawa	ON	284.6	2.7
WJETTV (24Z)	Erie	PA	347.3	254.6
WSWB (38+)	Scranton	PA	169.4	171.6
WIXT-D (17)	SYRACUSE	NY	0.0	0.0
WWTI-D (21)	WATERTOWN	NY	106.7	13.3
WNYETV-D (24)	NEW YORK	NY	296.9	144.6
WCNYTV-D (25)	SYRACUSE	NY	0.0	0.0
WFXV-D (27)	UTICA	NY	48.4	77.6
WATMTV-D (24)	ALTOONA	PA	331.8	218.1
WVTA-D (24)	WINDSOR	VT	295.4	78.1

Arcade DTV (24)	Arcade	NY	186.5	244.2
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Totals for WCNYTV (24+)

WCNY-TV INCOMING INTERFERENCE WITH PROPOSED ARCADE CH. 24 DTV

WCNYTV (24+) Syracuse, NY
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.765

Study Date: 7/10/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WPBSTV (16Z)	1309	2780	0.220	216.71
WXXATV (23-)	25	74	0.006	4.02
CICOTV (24Z)	1669	3035	0.241	340.42
WFXV-D (27)	1284	3269	0.259	22.13
Arcade DTV (24)	3274	8388	0.665	211.91

Stations considered which do not cause interference:

WEDH (24Z)
WMHT (17+)
WUHF (31+)
WJETTV (24Z)
WSWB (38+)
WIXT-D (17)
WWTI-D (21)
WNYETV-D (24)
WCNYTV-D (25)
WATMTV-D (24)
WVTA-D (24)

Call Letters	City	State	Dist	Bear
WEDH (24Z)	Hartford	CT	295.3	115.0
WPBSTV (16Z)	Watertown	NY	104.7	13.2
WMHT (17+)	Schenectady	NY	169.0	101.0
WXXATV (23-)	Albany	NY	168.6	101.8
WUHF (31+)	Rochester	NY	128.8	280.0
CICOTV (24Z)	Ottawa	ON	284.6	2.7
WJETTV (24Z)	Erie	PA	347.3	254.6
WSWB (38+)	Scranton	PA	169.4	171.6
WIXT-D (17)	SYRACUSE	NY	0.0	0.0
WWTI-D (21)	WATERTOWN	NY	106.7	13.3
WNYETV-D (24)	NEW YORK	NY	296.9	144.6
WCNYTV-D (25)	SYRACUSE	NY	0.0	0.0
WFXV-D (27)	UTICA	NY	48.4	77.6
WATMTV-D (24)	ALTOONA	PA	331.8	218.1
WVTA-D (24)	WINDSOR	VT	295.4	78.1
Arcade DTV (24)	Arcade	NY	186.5	244.2

Totals for WCNYTV (24+)

Calculation Area Population:	1,369,702	(	24601.4 sq. km)
Not Affected by Terrain Loss:	1,261,565	(	22530.3 sq. km)
Total NTSC Interference:	4,208	(	360.3 sq. km)
DTV Only Interference:	10,797	(	206.1 sq. km)
Total DTV Interference:	11,657	(	234.0 sq. km)
Interfered Population:	15,005	(	566.5 sq. km)
Interference Free:	1,246,560	(	21963.8 sq. km)

Percent Interference: 1.19

Terrain Blocked Population:	108,137	(	2071.2 sq. km)
Contour Area Population:	1,369,460		

WNEQ-TV INCOMING INTERFERENCE WITHOUT PROPOSED ARCADE CH. 24 DTV

WNEQTV (23Z) Buffalo, NY
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.659

Study Date: 7/10/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WNYB (26+)	390	1040	0.079	48.71
WVPX (23+)	42	144	0.011	2.03
CHEXTV (22+)	2882	7082	0.535	167.71
WATMTV (23-)	119	388	0.029	18.25
WNYB-D (27)	4	14	0.001	2.03
WKBWTV-D (38)	1294	3137	0.237	79.08

Stations considered which do not cause interference:

CBLFT (25Z)
WJETTV (24Z)
CIVPTV (23+)
WNPITV-D (23)
WFXP-D (22)
WLYHTV-D (23)

Stations which were not considered:

Arcade DTV (24)

Call Letters	City	State	Dist	Bear
WNYB (26+)	Jamestown	NY	75.1	199.7
WVPX (23+)	Akron	OH	310.2	226.2
CHEXTV (22+)	Oshawa	ON	103.1	5.1
CBLFT (25Z)	Toronto	ON	77.9	331.1
WATMTV (23-)	Altoona	PA	276.2	171.6
WJETTV (24Z)	Erie	PA	144.9	221.0
CIVPTV (23+)	Chapeau	QU	353.6	23.9
WNPITV-D (23)	NORWOOD	NY	365.2	62.2
WNYB-D (27)	JAMESTOWN	NY	75.1	199.7
WKBWTV-D (38)	BUFFALO	NY	50.1	150.5
WFXP-D (22)	ERIE	PA	144.5	221.0
WLYHTV-D (23)	LANCASTER	PA	369.2	145.5
Arcade DTV (24)	Arcade	NY	116.5	142.3

Totals for WNEQTV (23Z)

Calculation Area Population:	1,336,807	(	16468.1 sq. km)
Not Affected by Terrain Loss:	1,323,437	(	16196.7 sq. km)
Total NTSC Interference:	8,496	(	232.6 sq. km)
DTV Only Interference:	3,016	(	75.0 sq. km)
Total DTV Interference:	3,151	(	81.1 sq. km)
Interfered Population:	11,512	(307.7 sq. km)
Interference Free:	1,311,925	(15889.1 sq. km)

Percent Interference:	0.87
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Terrain Blocked Population:	13,370	(271.4 sq. km)
Contour Area Population:	1,333,693		

WNEQ-TV INCOMING INTERFERENCE WITH PROPOSED ARCADE CH. 24 DTV

WNEQTV (23Z) Buffalo, NY
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.659

Study Date: 7/10/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WNYB (26+)	390	1040	0.079	48.71
WVPX (23+)	42	144	0.011	2.03
CHEXTV (22+)	2882	7082	0.535	167.71
WATMTV (23-)	119	388	0.029	18.25
WNYB-D (27)	4	14	0.001	2.03
WKBWTV-D (38)	1294	3137	0.237	79.08
Arcade DTV (24)	59	155	0.012	18.19

Stations considered which do not cause interference:

CBLFT (25Z)
WJETTV (24Z)
CIVPTV (23+)
WNPITV-D (23)
WFXP-D (22)
WLYHTV-D (23)

Call Letters	City	State	Dist	Bear
WNYB (26+)	Jamestown	NY	75.1	199.7
WVPX (23+)	Akron	OH	310.2	226.2
CHEXTV (22+)	Oshawa	ON	103.1	5.1
CBLFT (25Z)	Toronto	ON	77.9	331.1
WATMTV (23-)	Altoona	PA	276.2	171.6
WJETTV (24Z)	Erie	PA	144.9	221.0
CIVPTV (23+)	Chapeau	QU	353.6	23.9
WNPITV-D (23)	NORWOOD	NY	365.2	62.2
WNYB-D (27)	JAMESTOWN	NY	75.1	199.7
WKBWTV-D (38)	BUFFALO	NY	50.1	150.5
WFXP-D (22)	ERIE	PA	144.5	221.0
WLYHTV-D (23)	LANCASTER	PA	369.2	145.5
Arcade DTV (24)	Arcade	NY	116.5	142.3

Totals for WNEQTV (23Z)

Calculation Area Population:	1,336,807	(	16468.1 sq. km)
Not Affected by Terrain Loss:	1,323,437	(	16196.7 sq. km)
Total NTSC Interference:	8,496	(	232.6 sq. km)

DTV Only Interference:	3,134	(	89.2 sq. km)
Total DTV Interference:	3,306	(	99.3 sq. km)
Interfered Population:	11,630	(321.8 sq. km)
Interference Free:	1,311,807	(15874.9 sq. km)

Percent Interference:	0.88
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Terrain Blocked Population:	13,370	(271.4 sq. km)
Contour Area Population:	1,333,693		

WNYB INCOMING INTERFERENCE WITHOUT PROPOSED ARCADE CH. 24 DTV

WNYB (26+) Jamestown, NY
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.958

Study Date: 7/10/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WNEQTV (23Z)	4865	12733	0.829	338.81
WUTV (29-)	4332	11363	0.740	274.69
CICATV (19-)	4247	10982	0.715	501.24
CBLFT (25Z)	32243	79283	5.162	1682.64
CIITV (41Z)	12243	31425	2.046	1498.20
WJETTV (24Z)	4755	13538	0.881	134.85
WGRZTV-D (33)	202	541	0.035	4.04
WVIZ-D (26)	1594	4058	0.264	18.40
WQEX-D (26)	105	263	0.017	20.47

Stations considered which do not cause interference:

CICOTV (28Z)
CBLNTV (40Z)
WNYB-D (27)
WNYOTV-D (34)
WFXP-D (22)

Stations which were not considered:

Arcade DTV (24)

Call Letters	City	State	Dist	Bear
WNEQTV (23Z)	Buffalo	NY	75.1	19.5
WUTV (29-)	Buffalo	NY	74.4	19.2
CICATV (19-)	Toronto	ON	139.4	354.7
CBLFT (25Z)	Toronto	ON	139.4	354.7
CICOTV (28Z)	Kitchener	ON	138.4	314.5
CBLNTV (40Z)	London	ON	185.2	290.4
CIITV (41Z)	Toronto	ON	139.4	354.7
WJETTV (24Z)	Erie	PA	79.7	240.8
WNYB-D (27)	JAMESTOWN	NY	0.0	0.0
WGRZTV-D (33)	BUFFALO	NY	65.5	56.3
WNYOTV-D (34)	BUFFALO	NY	76.7	55.4
WVIZ-D (26)	CLEVELAND	OH	239.0	241.6
WFXP-D (22)	ERIE	PA	79.4	240.8
WQEX-D (26)	PITTSBURGH	PA	224.8	196.1
Arcade DTV (24)	Arcade	NY	99.0	102.3

Totals for WNYB (26+)

Calculation Area Population:	1,605,653	(	24135.2 sq. km)
Not Affected by Terrain Loss:	1,535,915	(	22806.1 sq. km)
Total NTSC Interference:	95,714	(	1888.1 sq. km)
DTV Only Interference:	3,728	(	24.5 sq. km)
Total DTV Interference:	4,751	(	38.8 sq. km)
Interfered Population:	99,442	(1912.6 sq. km)
Interference Free:	1,436,473	(20893.5 sq. km)

Percent Interference:	6.47
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Terrain Blocked Population:	69,738	(1329.1 sq. km)
Contour Area Population:	1,603,407		

WNYB INCOMING INTERFERENCE WITH PROPOSED ARCADE CH. 24 DTV

WNYB (26+) Jamestown, NY
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 62.958

Study Date: 7/10/00

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
WNEQTV (23Z)	4865	12733	0.829	338.81
WUTV (29-)	4332	11363	0.740	274.69
CICATV (19-)	4247	10982	0.715	501.24
CBLFT (25Z)	32243	79283	5.162	1682.64
CIIITV (41Z)	12243	31425	2.046	1498.20
WJETTV (24Z)	4755	13538	0.881	134.85
WGRZTV-D (33)	202	541	0.035	4.04
WVIZ-D (26)	1594	4058	0.264	18.40
WQEX-D (26)	105	263	0.017	20.47
Arcade DTV (24)	52	36	0.002	2.03

Stations considered which do not cause interference:

CICOTV (28Z)
CBLNTV (40Z)
WNYB-D (27)
WNYOTV-D (34)
WFXP-D (22)

Call Letters	City	State	Dist	Bear
WNEQTV (23Z)	Buffalo	NY	75.1	19.5
WUTV (29-)	Buffalo	NY	74.4	19.2
CICATV (19-)	Toronto	ON	139.4	354.7
CBLFT (25Z)	Toronto	ON	139.4	354.7
CICOTV (28Z)	Kitchener	ON	138.4	314.5
CBLNTV (40Z)	London	ON	185.2	290.4
CIIITV (41Z)	Toronto	ON	139.4	354.7
WJETTV (24Z)	Erie	PA	79.7	240.8
WNYB-D (27)	JAMESTOWN	NY	0.0	0.0
WGRZTV-D (33)	BUFFALO	NY	65.5	56.3
WNYOTV-D (34)	BUFFALO	NY	76.7	55.4
WVIZ-D (26)	CLEVELAND	OH	239.0	241.6
WFXP-D (22)	ERIE	PA	79.4	240.8
WQEX-D (26)	PITTSBURGH	PA	224.8	196.1
Arcade DTV (24)	Arcade	NY	99.0	102.3

Totals for WNYB (26+)

Calculation Area Population:	1,605,653	(	24135.2 sq. km)
Not Affected by Terrain Loss:	1,535,915	(	22806.1 sq. km)
Total NTSC Interference:	95,714	(	1888.1 sq. km)
DTV Only Interference:	3,764	(	26.5 sq. km)
Total DTV Interference:	4,787	(	40.9 sq. km)
Interfered Population:	99,478	(	1914.7 sq. km)
Interference Free:	1,436,437	(	20891.4 sq. km)
Percent Interference:	6.48		
Terrain Blocked Population:	69,738	(	1329.1 sq. km)
Contour Area Population:	1,603,407		